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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,115	09/19/2003	Russell Norman Mirov	SUN03-0112	8531
57913	7590	06/07/2006	EXAMINER	
SUN MICROSYSTEMS, INC. c/o PARK VAUGHAN & FLEMING, LLP P.O. BOX 7865 FREMONT, CA 94537			DINH, TUAN T	
			ART UNIT	PAPER NUMBER
			2841	

DATE MAILED: 06/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/667,115	MIROV, RUSSELL NORMAN	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 14 March 2006.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-3 and 5-33 is/are pending in the application.
  - 4a) Of the above claim(s) 5-33 is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-3 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 14 March 2006 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1)<input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2)<input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3)<input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br/>Paper No(s)/Mail Date _____.</li> </ol> | <ol style="list-style-type: none"> <li>4)<input type="checkbox"/> Interview Summary (PTO-413)<br/>Paper No(s)/Mail Date _____.</li> <li>5)<input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6)<input type="checkbox"/> Other: _____.</li> </ol> |
|--|---|

## DETAILED ACTION

**Note:**

In the Response filed on 10/07/06, the applicant is elected Group I, Specie I (claims 1-7, and 17-26, figure 1) for represent the invention for examination.

Claim 4 is canceled from the Response filed on March 14, 2006, claims 5-7 are dependent on claim 4. Thus, these claims 5-7 that examiner assumes are canceled and not examination in the Office action.

### **Response to Arguments**

1. Applicant's arguments with respect to claims 1-3, and 5-33 have been considered but are moot in view of the new ground(s) of rejection.

**Note:** claims 5-7 depended on claim 4, and claim 4 has been canceled (as in the Response filed on 03/14/06), so claims 5-7 assume to be canceled.

**Applicant argues:**

(a) Group I and II are not distinct.

In the Office action mailed on 10/03/05, the examiner has been point out that in portion #2, page 2, the Group II is distinct from Group I because the method steps do not require particular of the limitation of "separation means" as require in claim 1, for example.

(b) Claim 17 read in Specie I (figure 1) for at a minimum that "a trace 106) would become inoperable if a key 104 was detached from the assembly"

Examiner disagrees because the whole claim 17 do not read on Specie I, figure 1 as described in a specification start at page 3, line 25 and end at page 4, line 24. Figure 1 does not described claim 17, for example the limitation of “one or more functions... detached from the assembly” does not described in the specification as described in page 3, line 25 through line 24 at page 4.

Claim 6 is depended on claim 4, which is a cancel claim. Therefore, the examiner does not require to response.

Claim 25 is depended on claim 17, which is a withdrawn claim. Therefore, the examiner does not require to response.

### ***Drawings***

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: for example, identification 110, in figure 1. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and

informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Matson et al. (U.S. Patent 6,4,685,112).

As to claims 1-3, Matson discloses a circuit board (12, column 2, line 7) as shown in figures 1-2 comprising: a mechanism (16, column 2, line 9) comprising:

signal means for (wire traces 18, and circuitries formed in/on the circuit board 12) conducting a signal between the mechanism (16) and the circuit board (12); and

separation means (gaps 20, column 2, line 15) for facilitating detachment of the mechanism (16) from the circuit board (12);

identification means for (labels No.1-No.6, figure 1 shows the label No.3 and No.4) identifying the mechanism (16);

wherein the circuit board becomes at least partly non-functional if the mechanism is detached from the circuit board.

***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Davis et al. discloses related art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Tuan Dinh  
May 27, 2006.